Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/09/2017 10:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125288	0	1.67	125180	1.63
Blue	F	SSC	125000	124172	-1	3.09	124475	2.89
Blue	E	FITC	22946	22301	-3	2.40	993	9.88
Blue	D	PE	28770	28360	-2	2.01	1017	9.46
Blue	B	PerCP-Cy5-5	51099	49949	-3	3.41	1430	16.34
Blue	A	PE-Cy7	42312	42111	-1	4.98	653	34.28
Red	C	APC	52169	51877	-1	2.88	2987	9.59
Red	A	APC-Cy7	56705	56199	-1	2.98	1162	11.15
Violet	B	V450	14708	14252	-4	5.90	680	9.59
Violet	A	V500	58608	57405	-3	5.70	2544	7.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19723	4.54	601	3	N/A	N/A	Pass
Blue	F	SSC	61852	1.49	532	14	N/A	N/A	Pass
Blue	E	FITC	111	37.07	535	4	0.0222	109	Pass
Blue	D	PE	223	27.20	532	6	0.1665	198	Pass
Blue	B	PerCP-Cy5-5	227	42.24	627	5	0.0109	66	Pass
Blue	A	PE-Cy7	71	112.57	677	6	0.0127	11	Pass
Red	C	APC	349	27.80	595	5	0.0198	56	Pass
Red	A	APC-Cy7	127	40.07	579	3	0.0057	1668	Pass
Violet	B	V450	82	40.85	466	7	0.0560	2190	Pass
Violet	A	V500	186	22.24	495	7	0.0167	575	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.29	-30.69	0.85
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	15.13	13.27 - 19.91	N/A	N/A	30.82	31.45	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15067

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments